

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- RESORT 1 PHASE -- PHASE 47								
102			CTL		6611								
103			*										
104			*		EXTERNALLY REFERENCED SYMBOLS ARE MARKED WITH ASTERISK IN COLUMN 1.								
105			*										
106			*		AN AREA IS MADE AVAILABLE FOR A TABLE TO ASSIST IN RESORTING								
107			*		THE STATEMENTS INTO THEIR ORIGINAL ORDER.								
108			*										
109			X1	EQU	89			0089					
110			X2	EQU	94			0094					
111			X3	EQU	99			0099					
112			*										
113			*		STUFF IN THE RESIDENT AREA								
114			*										
115			DOCNT	EQU	151	COUNT OF DO STATEMENTS		0151					
116			NSTMTS	EQU	183	NUMBER OF STATEMENTS, INCLUDING GENERATED STOP		0183					
117			*										
118				EXT00	SNAPSH, LOADNX, CDOVLY					MACRO			
119			SNAPSH	EQU	333			0333		GEN			
120			PHASLD	EQU	381			0381		GEN			
121			SNAPEX	EQU	564			0564		GEN			
122			LOADNX	EQU	700	CARD OVERLAY UNLESS NOP		0700		GEN			
123			CDOVLY	EQU	700	1 IF LOADING FROM CARDS, N IF FROM TAPE		0700		GEN			
124			TPREAD	EQU	704	LOAD OVERLAY FROM TAPE		0704		GEN			
125			TPERR	EQU	728			0728		GEN			
126			*										
127				EXT03	START, TOP OF PHASE 3					MACRO			
128			BEGIN3	EQU	838			0838		GEN			
129			TOP3	EQU	2600			2600		GEN			
130				EXT49	STUFF IN RESORT THREE PHASE -- 49					MACRO			
131			TABEL	EQU	2499			2499		GEN			
132			*										
133			SORTAB	EQU	TABEL SORT TABLE			2499					
134			*										
135			PHAS47	LDPH	RESORT ONE, LOADAD, BEGN47,,,47					MACRO			
			*	PHAZ	LDPH [PHASID], LOADAD, ENTAD[, SKIPFG, SKIP], [NUMBER] [, HALT]					GEN			
			*	XFR	PHASZ PROHIBITED IN A MACRO					GEN			
			*							GEN			
			*	LOAD	A BLOCK					GEN			
			*							GEN			
136			)6J004	EQU	110	PHASE ID		0110		GEN			
137			)6K004	EQU	700	LOAD NEXT PHASE		0700		GEN			
138			)6L004	EQU	704	TAPE READ INSTRUCTION		0704		GEN			
139			)6M004	EQU	728	TAPE ERROR HANDLER		0728		GEN			
			*							GEN			
140				ORG	201				0201				
141			PHAS47	EQU	*&1			0201		GEN			
142			LCA	)9J004,)	6J004		7	0201	L 253 110	GEN	1	253	110
143			BCE	)6K004,)	6K004,1	Q: LOADING FROM CARDS?	8	0208	B 700 700 1	GEN	1	700	700
144			BCE	)6K004,)	6L004&4,0	Q: LOADING FROM AUTOCODER TAPE?	8	0216	B 700 708 0	GEN	1	700	708

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
145				RTW	1,LOADAD			8 0224	L %U1 838 R	GEN	1	%U1	838
146				BER	)6M004			5 0232	B 728 L	GEN	1	728	
147				CS	BEGN47,)9R004			7 0237	/ /75 257	GEN	2	1175	257
148			)9J004	DCW	@RESORT ONE@			10 0253		GEN	2		
149				DC	#1			1 0254		GEN	2		
150				DC	@47@			2 0256	PHASE NUMBER	GEN	2		
151			)9R004	DCW	@}@			1 0257		GEN	2		
152				XFR	PHAS47				B 201		3	201	
153				*									
154				ORG	BEGIN3				0838				
155			LOADAD	EQU	*&1				0838	LOAD ADDRESS			
156		838	W1	DCW	0			1 0838			4		
157	*	841	TOPA	DCW	000	TABBOT PLUS 3 X NUMBER OF STATEMENTS		3 0841			4		
158	*	844	SX3A	DCW	000	USED ONLY IN PHASE 48 AND 49		3 0844			4		
159	*	847	TABBOT	DCW	000	BOTTOM OF RESORT TABLE		3 0847			4		
160	*	850	NEXT	DCW	000	USED ONLY IN PHASE 49		3 0850			4		
161	*	853	SX2	DCW	000	USED ONLY IN PHASE 48 AND 49		3 0853			4		
162	*	856	SX3B	DCW	000			3 0856			4		
163	*	859	W3	DCW	000	USED ONLY IN PHASE 48 AND 49		3 0859			5		
164	*	862	TOPC	DCW	000	TABBOT PLUS 3 X NUMBER OF STATEMENTS PLUS 1		3 0862			5		
165	*	865	SEQNO	DCW	000	USED ONLY IN PHASE 48 AND 49		3 0865			5		
166	*	870	TOPC5	DCW	00000	TOPC AS FIVE DIGITS		5 0870			5		
167	*	875	TIMES6	DCW	00000	DOCNT TIMES 6		5 0875			5		
168	*	880	W5	DCW	00000	USED ONLY IN PHASE 49		5 0880			5		
169	*	883	TOPB	DCW	000	TABBOT PLUS 3 X NUMBER OF STATEMENTS PLUS 1		3 0883			5		
170	*	884	FLAG	DCW	0	USED ONLY IN PHASE 48 AND 49		1 0884			6		
171		886	ZONTST	DCW	99	FOR TESTING ZONES		2 0886			6		
172	*	891	ADR5B	DCW	#5			5 0891			6		
173	*	896	ADR5	DCW	#5			5 0896			6		
174		898	ZONES	DCW	@99@			2 0898			6		
175		900		DCW	@Z9@			2 0900			6		
176		902		DCW	@R9@			2 0902			6		
177		904		DCW	@I9@			2 0904			7		
178		906		DCW	@9Z@			2 0906			7		
179		908		DCW	@ZZ@			2 0908			7		
180		910		DCW	@RZ@			2 0910			7		
181		912		DCW	@IZ@			2 0912			7		
182		914		DCW	@9R@			2 0914			7		
183		916		DCW	@ZR@			2 0916			7		
184		918		DCW	@RR@			2 0918			8		
185		920		DCW	@IR@			2 0920			8		
186		922		DCW	@9I@			2 0922			8		
187		924		DCW	@ZI@			2 0924			8		
188		926		DCW	@RI@			2 0926			8		
189		928		DCW	@II@			2 0928			8		
190				*									
191				*	CONVERT FIVE-DIGIT ADDRESS IN ADR5 TO MACHINE FORM								
192				*									
193	*	929	CONV53	SBR	CONV5X&3			4 0929	H 968		8	968	
194		933		ZA	ADR5-3,X1			7 0933	? 893 089		9	893	089

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195		940		MZ	NOZONE,X1	7		0940	Y /26 089		9	1126	089
196		947		A	X1	4		0947	A 089		9	089	
197		951		MZ	ZONES-1&X1,ADR5-2	7		0951	Y 827 894		9	897+1	894
198		958		MZ	ZONES&X1,ADR5	7		0958	Y 828 896		9	898+1	896
199		965	CONV5X	B	0-0	4		0965	B 000		9	000	
200				*									
201				*	CONVERT THREE-CHARACTER ADDRESS IN ADR5 TO FIVE DIGITS IN ADR5B								
202				*									
203	*	969	CONV35	SBR	CONV3X&3	4		0969	H |24		10	1024	
204		973		MCW	K5B,ADR5B	7		0973	M /31 891		10	1131	891
205		980		MN	ADR5,ADR5B	7		0980	D 896 891		10	896	891
206		987		MN		1		0987	D		10		
207		988		MN		1		0988	D		10		
208		989		MZ	ADR5,ZONTST	7		0989	Y 896 886		10	896	886
209		996		MZ	ADR5-2,ZONTST-1	7		0996	Y 894 885		10	894	885
210	1	003		MCW	AZONES,*&11	7		1003	M /34 |20		11	1134	1020
211	1	010		S	ADR5	4		1010	S 896		11	896	
212	1	014	TSTZON	C	ZONTST,0-0	7		1014	C 886 000		11	886	000
213	1	021	CONV3X	BE	0-0	5		1021	B 000 S		11	000	
214	1	026		A	K1,ADR5B-3	7		1026	A /35 888		11	1135	888
215	1	033		SW	TSTZON&4	4		1033	, |18		11	1018	
216	1	037		A	K002,TSTZON&6	7		1037	A /38 |20		12	1138	1020
217	1	044		CW	TSTZON&4	4		1044	) |18		12	1018	
218	1	048		B	TSTZON	4		1048	B |14		12	1014	
219				*									
220				*	FIND NEXT HIGHER GMWM. LEAVE ITS ADDRESS & 1 IN X3.								
221				*									
222	*1	052	FINDGM	SBR	FINDGX&3	4		1052	H |91		12	1091	
223	1	056		MN	0&X3	4		1056	D 0?0		12	000+3	
224	1	060		SAR	X3	4		1060	Q 099		12	099	
225	1	064	MORE	MCM	1&X3	4		1064	P 0?1		12	001+3	
226	1	068		MN		1		1068	D		13		
227	1	069		SBR	X3	4		1069	H 099		13	099	
228	1	073		BCE	MORE,0&X3,|	8		1073	B |64 0?0 |		13	1064	000+3
229	1	081		SBR	X3,1&X3	7		1081	H 099 0?1		13	099	001+3
230	1	088	FINDGX	B	0-0	4		1088	B 000		13	000	
231				*									
232				*	PROGRAM IS TOO BIG								
233				*									
234	*1	092	TOOBIG	CS	332	4		1092	/ 332		13	332	
235	1	096		CS		1		1096	/		13		
236	1	097		CC	1	2		1097	F 1		14		
237	1	099		MCW	ERROR2,270	7		1099	M /74 270		14	1174	270
238	1	106		W		1		1106	2		14		
239	1	107		CC	1	2		1107	F 1		14		
240	1	109		BCE	HALT,CDOVLY,1	8		1109	B /22 700 1		14	1122	700
241	1	117		RWD	1	5		1117	U %U1 R		14	%U1	
242	1	122	HALT	H	HALT	4		1122	. /22		14	1122	
243				*									
244	1	126	NOZONE	DCW	#1	1		1126			15		

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
245	1	131	K5B	DCW	#5	5		1131			15		
246	1	134	AZONES	DSA	ZONES	3		1134	898		15	898	
247	1	135	K1	DCW	1	1		1135			15		
248	1	138	K002	DCW	002	3		1138			15		
249	1	174	ERROR2	DCW	@MESSAGE 2 - OBJECT PROGRAM TOO LARGE@	36		1174			16		
250			*										
251	*1	175	BEGN47	SBR	SX3B,0&X3	7		1175	H 856 0?0		17	856	000+3
252	1	182		SBR	X1, SORTAB	7		1182	H 089 M99		17	089	2499
253	1	189		SBR	TABBOT BOTTOM OF CODE IN LOW CORE	4		1189	H 847		17	847	
254	1	193		MCW	NSTMTS, *&14	7		1193	M 183 S13		17	183	1213
255	1	200		MZ	X1ZONE, *&6	7		1200	Y U84 S12		17	1484	1212
256	1	207	NSX3	SBR	X1,0 COMPUTE	7		1207	H 089 000		17	089	000
257	1	214		A	K1A,W1 TABBOT PLUS	7		1214	A U85 838		18	1485	838
258	1	221		C	W1,K3 NUMBER OF STATEMENTS	7		1221	C 838 U86		18	838	1486
259	1	228		BH	NSX3 TIMES 3	5		1228	B S07 U		18	1207	
260	1	233		SBR	TOPA,0&X1	7		1233	H 841 0|0		18	841	000+1
261	1	240		SBR	TOPB,1&X1	7		1240	H 883 0|1		18	883	001+1
262	1	247		MCW	KB,W1	7		1247	M U87 838		19	1487	838
263	1	254		BCE	*&5,DOCNT,	8		1254	B S66 151		19	1266	151
264	1	262		B	HAVE	4		1262	B S92		19	1292	
265	1	266		SBR	TOPC,1&X1	7		1266	H 862 0|1		19	862	001+1
266	1	273		SBR	ADR5	4		1273	H 896		19	896	
267	1	277		B	CONV35	4		1277	B 969		19	969	
268	1	281		MCW	ADR5B, TOPC5	7		1281	M 891 870		20	891	870
269	1	288		B	NOT	4		1288	B T61		20	1361	
270	1	292	HAVE	MCW	DOCNT, TIMES6	7		1292	M 151 875		20	151	875
271	1	299		A	TIMES6	4		1299	A 875		20	875	
272	1	303		A	TIMES6	4		1303	A 875		20	875	
273	1	307		A	DOCNT	4		1307	A 151		20	151	
274	1	311		A	DOCNT, TIMES6	7		1311	A 151 875		20	151	875
275	1	318		SBR	ADR5,1&X1	7		1318	H 896 0|1		21	896	001+1
276	1	325		B	CONV35	4		1325	B 969		21	969	
277	1	329		MCW	ADR5B, TOPC5	7		1329	M 891 870		21	891	870
278	1	336		A	TIMES6, TOPC5	7		1336	A 875 870		21	875	870
279	1	343		MCW	TOPC5, ADR5	7		1343	M 870 896		21	870	896
280	1	350		B	CONV53	4		1350	B 929		21	929	
281	1	354		MCW	ADR5, TOPC	7		1354	M 896 862		22	896	862
282	1	361	NOT	MCW	SX3B, ADR5	7		1361	M 856 896		22	856	896
283	1	368		B	CONV35	4		1368	B 969		22	969	
284	1	372		MCW	ADR5B, W5	7		1372	M 891 880		22	891	880
285	1	379		C	TOPC5, W5	7		1379	C 870 880		22	870	880
286	1	386		BH	*&5	5		1386	B T95 U		22	1395	
287	1	391		B	TOOBIG	4		1391	B |92		23	1092	
288	1	395		CC	1	2		1395	F 1		23		
289	1	397		CS	332	4		1397	/ 332		23	332	
290	1	401		CS		1		1401	/		23		
291	1	402		MCW	STRNG, 243	7		1402	M V17 243		23	1517	243
292	1	409		W		1		1409	2		23		
293	1	410		CC	K	2		1410	F K		23		
294	1	412		CS	332	4		1412	/ 332		24	332	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
295	1	416		CS		1		1416	/		24		
296	1	417		MCW	SEQ,208	7		1417	M V20 208		24	1520	208
297	1	424		MCW	STRTA,242	7		1424	M V36 242		24	1536	242
298	1	431		MCW	DISPLA,256	7		1431	M V43 256		24	1543	256
299	1	438		W		1		1438	2		24		
300	1	439		CC	J	2		1439	F J		24		
301	1	441		CS	332	4		1441	/ 332		25	332	
302	1	445		CS		1		1445	/		25		
303	1	446	*		LCA K000,208 MOVED TO PHASE 49 BECAUSE LDPH CLOBBERS IT								
304	1	453		MCW	SX3B,X1	7		1446	M 856 089		25	856	089
305	1	460		SBR	X1,2&X1	7		1453	H 089 0|2		25	089	002+1
306	1	467		SBR	X3	4		1460	H 099		25	099	
307	1	471		B	FINDGM	4		1464	B |52		25	1052	
308	1	475		MCW	X3,X2	7		1468	M 099 094		25	099	094
309	1	482		BSS	SNAPSH,C	5		1475	B 333 C		26	333	
310	1	519		B	LOADNX	4		1480	B 700		26	700	
311			*										
312			* DATA										
313			*										
314	1	523	X1ZONE	DCW	@Z@	1		1484			26		
315	1	524	K1A	DCW	1	1		1485			26		
316	1	525	K3	DCW	3	1		1486			26		
317	1	526	KB	DCW	#1	1		1487			26		
318	1	556	STRTNG	DCW	@STARTING ADDRESS OF STATEMENTS@	30		1517			27		
319	1	559	SEQ	DCW	@SEQ@	3		1520			27		
320	1	575	STRTA	DCW	@STARTING ADDRESS@	16		1536			28		
321	1	582	DISPLA	DCW	@DISPLAY@	7		1543			28		
322	1	585	* K000	DCW	000 MOVED TO PHASE 49								
323	1	594	GMWM	DCW	@}@	1		1544		GMARK	28		
324			EX		BEGN47				B /75		29	1175	
325			CLRME	CLRA	BEGN47,GMWM					MACRO			
			*	CLRA	CLRBOT,CLRTOP[,ORG,GMWMAD]					GEN			
			*							GEN			
			* CLEAR CORE AFTER A PHASE USING THE CLRTOP ADDRESS							GEN			
			*							GEN			
326			ORG		201				0201				
			*							GEN			
			* CLEAR DOWN TO CLRBOT & X00 THE EASY WAY							GEN			
			*							GEN			
327			CLRME	EQU	*&1			0201		GEN			
328			)0J005	CS	GMWM CLEAR FROM CLRTOP	4		0201	/ V44	GEN	30	1544	
329				SBR	)0J005&3	4		0205	H 204	GEN	30	204	
330				SBR	)0L005&6	4		0209	H 250	GEN	30	250	
331				C	)0J005&3,)0M005 DOWN TO CLRBOT & X00?	7		0213	C 204 261	GEN	30	204	261
332				BU	)0J005	5		0220	B 201 /	GEN	30	201	
			*							GEN			
			* NOW CLEAR DOWN TO CLRBOT THE HARD WAY							GEN			
			*							GEN			
333			)0K005	C	)0L005&6,)0N005	7		0225	C 250 264	GEN	30	250	264
334				BU	)0L005	5		0232	B 244 /	GEN	30	244	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J005	0201: 0	)0K005	0225: 0	)0L005	0244: 0	)0M005	0261: 0	)0N005	0264: 0	)0P005	0265: 0
)0Q005	0271: 0	)0R005	1199: 0	)6J004	0110: 0	)6K004	0700: 0	)6L004	0704: 0	)6M004	0728: 0
)9J004	0253: 0	)9R004	0257: 0	ADR5	0896: 0	ADR5B	0891: 0	AZONES	1134: 0	BEGIN3	0838: 0
BEGN47	1175: 0	CDOVLY	0700: 0	CLRME	0201: 0	CONV35	0969: 0	CONV3X	1021: 0	CONV53	0929: 0
CONV5X	0965: 0	DISPLA	1543: 0	DOCNT	0151: 0	ERROR2	1174: 0	FINDGM	1052: 0	FINDGX	1088: 0
FLAG	0884: 0	GMWM	1544: 0	HALT	1122: 0	HAVE	1292: 0	K002	1138: 0	K1	1135: 0
K1A	1485: 0	K3	1486: 0	K5B	1131: 0	KB	1487: 0	LOADAD	0838: 0	LOADNX	0700: 0
MORE	1064: 0	NEXT	0850: 0	NOT	1361: 0	NOZONE	1126: 0	NSTMTS	0183: 0	NSX3	1207: 0
PHAS47	0201: 0	PHASLD	0381: 0	SEQ	1520: 0	SEQNO	0865: 0	SNAPEX	0564: 0	SNAPSH	0333: 0
SORTAB	2499: 0	STRTA	1536: 0	STRNG	1517: 0	SX2	0853: 0	SX3A	0844: 0	SX3B	0856: 0
TABBOT	0847: 0	TABEL	2499: 0	TIMES6	0875: 0	TOOBIG	1092: 0	TOP3	2600: 0	TOPA	0841: 0
TOPB	0883: 0	TOPC	0862: 0	TOPC5	0870: 0	TPERR	0728: 0	TPREAD	0704: 0	TSTZON	1014: 0
W1	0838: 0	W3	0859: 0	W5	0880: 0	X1	0089: 0	X1ZONE	1484: 0	X2	0094: 0
X3	0099: 0	ZONES	0898: 0	ZONTST	0886: 0						

UNREFERENCED SYMBOLS

FLAG NEXT PHASLD SEQNO SNAPEX SX2 SX3A TOP3 TPERR TPREAD W3